

NABL ACCREDITED AS PER ISO/IEC 17025:2005

Job No.: CECTC-KS-PMC-2014-15

Date: 10.05.2014

Aggregate Impact Value
IS: 2386 Part IV

Client	Executive Engineer, Rajarajeshwarinagar Division, BBMP, Bangalore.
Agency	Sri. K.ShivaKumar, Contractor, Bangalore.
Name of the Work	Providing and Laying HDPE Water line in Mohan Kumar Nagara Block-1 in J P Park, Ward No 17.
Reference	EE/RRND/Wo. NO/231/2013-14 Date: 07.02.2014
Type of Mix	Wet Mix macadam
Date of Testing	10.05.2014

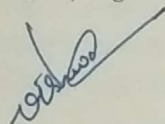
Sl No.	Details	Trial No.			Average
		1	2	3	
1	Total weight of aggregate sample filling the cylindrical measure = W_1 g	378	382	384	23.08
2	Weight of aggregate passing 2.36 mm sieve after the test = W_2 g	87	89	88	
3	Weight of aggregate retained 2.36 mm sieve after the test = W_3 g	291	293	296	
4	Aggregate Impact value = percent fines $100 * (W_2/W_1) \%$	23.02	23.30	22.92	

Comments:

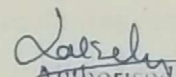
→ Maximum allowable Aggregate Impact value for Wet mix Macadam is 30%

Note:

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- The results indicated above are based on the tests carried out on the samples received in the laboratory
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**GRADATION FOR WMM
MORTH TABLE-400-11**

Client : **Executive Engineer**, Rajarajeshwarinagar Division, BBMP, Bangalore.
Agency : **Sri. K.ShivaKumar**, Contractor, Bangalore.
Name of Work : Providing and Laying HDPE Water line in Mohan Kumar Nagara Block-1 in J P Park, Ward No 17.
Reference : EE/RRND/Wo. NO/231/2013-14 Date: 07.02.2014
Date of Testing : 10.05.2014
Material Type : Wet Mix Macadam

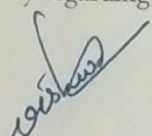
Oven Dry.Wt

12657

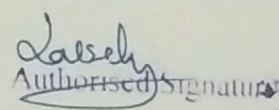
Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Spec.Limits
53	0	0	0	100	100
45	503	503	4.0	96.0	95-100
22.4	4362	4865	38.4	61.6	60-80
11.2	2251	7116	56.2	43.8	40-60
4.75	1845	8961	70.8	29.2	25-40
2.36	1362	10323	81.6	18.4	15-30
0.600	1154	11477	90.7	9.3	8-22
0.075	850	12327	97.4	2.6	0-8

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Reference : EE/RRND/Wo. NO/231/2013-14 Date: 07.02.2014
Date of Testing : 10.05.2014
Material Type : Wet Mix Macadam

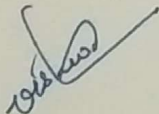
Oven Dry. Wt

12834

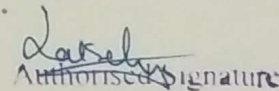
Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Spec.Limits
53	0	0	0	100	100
45	480	480	3.7	96.3	95-100
22.4	4365	4845	37.8	62.2	60-80
11.2	2595	7440	58.0	42.0	40-60
4.75	1748	9188	71.6	28.4	25-40
2.36	1362	10550	82.2	17.8	15-30
0.600	1148	11698	91.1	8.9	8-22
0.075	806	12504	97.4	2.6	0-8

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Job No.: CECTC-DC-PMC-2014-15

Date: 10.05.2014

**DETERMINATION OF FLAKINESS INDEX & ELONGATION INDEX OF COARSE
AGGREGATES**

Client	Executive Engineer, Rajarajeshwarinagar Division, BBMP, Bangalore.
Agency	Sri. K.ShivaKumar, Contractor, Bangalore.
Name of Work	Providing and Laying HDPE Water line in Mohan Kumar Nagara Block-1 in J P Park, Ward No 17.
Reference	EE/RRND/Wo. NO/231/2013-14 Date: 07.02.2014
Technical Reference	IS 2386(Part 1) 1963 (RA 2007)
Type of Mix	Wet Mix Macadam
Date of Testing	10.05.2014

Result : Flakiness Index = **14.20%**

Elongation Index = **10.78%**

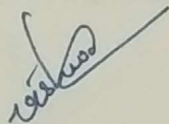
Result : Combined Flakiness & Elongation index **24.98%**

Comments:

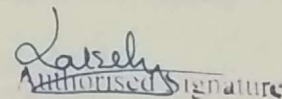
→ Maximum allowable Flakiness & Elongation Index for Wet Mix Macadam is 30%

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Authorised Signatory



CONSULTANTS & TESTING CENTER

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Job No.: CECTC-DC-PMC-2014-15

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DETERMINATION OF FLAKINESS INDEX & ELONGATION INDEX OF COARSE AGGREGATES

Client	Executive Engineer, Rajarajeshwarinagar Division, BBMP, Bangalore.
Agency	Sri. K.ShivaKumar, Contractor, Bangalore.
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Technical Reference	IS 2386(Part 1) 1963 (RA 2007)
Type of Mix	Wet Mix Macadam
Date of Testing	10.05.2014

Result : Flakiness Index = **15.36%**

Elongation Index = **10.79%**

Result : Combined Flakiness & Elongation index **26.15%**

Comments:

→ Maximum allowable Flakiness & Elongation Index for Wet Mix Macadam is 30%

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